ACCELERATE YOUR CREATIVITY NVIDIA® QUADRO® K420

Accelerate your creativity with NVIDIA® Quadro®—the world's most powerful workstation graphics.

The NVIDIA Quadro K420 delivers power-efficient 3D application performance and capability. 1 GB/2 GB of DDR3 GPU memory with fast bandwidth enables you to create complex 3D models, and a flexible single-slot and low-profile form factor makes it compatible with even the most space and power-constrained chassis. Plus, an all-new display engine drives up to four displays with DisplayPort 1.2 support for ultra-high resolutions like 3840x2160 @ 60 Hz with 30-bit color.

Quadro cards are certified with a broad range of sophisticated professional applications, tested by leading workstation manufacturers, and backed by a global team of support specialists, giving you the peace of mind to focus on doing your best work. Whether you're developing revolutionary products or telling spectacularly vivid visual stories, Quadro gives you the performance to do it brilliantly.

FEATURES

- DisplayPort 1.2 Connector
- DisplayPort with Audio
- DVI-I Dual-Link Connector
- VGA Support[1]
- NVIDIA nView™ Desktop Management Software Compatibility
- HDCP Support
- NVIDIA Mosaic[2]

SPECIFICATIONS

GPU Memory	**1 GB/2 GB DDR3**
Memory Interface	**128-bit**
Memory Bandwidth	**29.0 GB/s**
NVIDIA CUDA® Cores	**192**
System Interface	**PCI Express 2.0 x16**
Max Power Consumption	**41 W**
Thermal Solution	**Ultra-Quiet Active Fansink**
Form Factor	**2.713" H × 6.3" L, Single Slot, Low Profile**
Display Connectors	**DVI-I DL + DP 1.2**
Max Simultaneous Displays	**2 Direct, 4 DP 1.2 Multi-Stream**
Max DP 1.2 Resolution	**3840 x 2160 at 60 Hz**
Max DVI-I DL Resolution	**2560 × 1600 at 60 Hz**
Max DVI-I SL Resolution	**1920 × 1200 at 60 Hz**
Max VGA Resolution	**2048 × 1536 at 85 Hz**
Graphics APIs	**Shader Model 5.0, OpenGL 4.5[3], DirectX 11.2[4]**
Compute APIs	**CUDA, DirectCompute, OpenCL™**

[1] Via supplied adapter/connector/bracket | [2] Windows 7, 8, 8.1 and Linux | [3] Product is based on a published Khronos Specification, and is expected to pass the Khronos Conformance Testing Process when available. Current conformance status can be found at www.khronos.org/conformance | [4] GPU supports DX 11.2 API, Hardware Feature Level 11_0

© 2014 NVIDIA Corporation. All rights reserved. NVIDIA, the NVIDIA logo, Quadro, nView, CUDA, Kepler, and 3D Vision are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. OpenCL is a trademark of Apple Inc. used under license to the Khronos Group Inc. All other trademarks and copyrights are the property of their respective owners.

NVIDIA QUADRO
AUTHORISED PARTNER
LEADTEK

Leadtek Research Inc.
Web: www.leadtek.com
email: contact@leadtek.com
Tel: +886-2-8226-5800